



SEVENTY-SIXTH

ANNUAL

CATALOGUE

OF

BOWDOIN COLLEGE,

FOR THE ACADEMICAL YEAR

1877-8.

NOVEMBER, 1877.

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

BOWDOIN COLLEGE

AND THE

MEDICAL SCHOOL OF MAINE,

BRUNSWICK, MAINE,

FOR THE YEAR 1877 - '78.

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TELEGRAPH PRINTING OFFICE.
1877.

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HENRY JOHNSON, A.M.

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Walter H. Marrett, A.B., Chemistry and Physics.	<i>Brunswick.</i>
Edwin Albert Scribner, S.B., Chemistry and Physics.	<i>Topsham.</i>

SPECIAL STUDENTS.

NAME.	RESIDENCE.
Eber B. Blen, Chemistry and Physics.	<i>Alna.</i>
Edwin H. Brown, Engineering.	<i>West Paris.</i>

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Felch, Daniel Henry	<i>Ayer, Mass.,</i>	Mr. Smith's.
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Potter, Barrett	<i>Brunswick,</i>	Rev. Mr. Potter's.
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Purington, George Colby	<i>North Anson,</i>	16 M. H.
Record, Sanford Perry	<i>Lewiston,</i>	Mrs. Aubens.'
Sargent, William Edward	<i>Freeport,</i>	Mrs. Scribner's.

SENIORS.

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Smith, Samuel Emerson	<i>Thomaston,</i>	25 W. H.
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SCIENTIFIC DIVISION.

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French, Willis Walton	<i>Portsmouth, N. H.,</i>	26 A. H.
Jacobs, Carson Minor	<i>Farmington,</i>	4 A. H.
Paine, Philip Lee	<i>Portland,</i>	23 A. H.
Sewall, Joseph	<i>Oldtown,</i>	9 W. H.

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JUNIOR CLASS.

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Carleton, Henry Baird	<i>Rockport,</i>	Miss Babb's.
Castner, Daniel Ozro	<i>Waldoboro,</i>	12 M. H.
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Fifield, Holmes Boardman	<i>Portland,</i>	9 A. H.
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Huston, Henry Augustus	<i>Damariscotta,</i>	5 W. H.
Huston, Joel Payson	<i>Damariscotta,</i>	5 W. H.

Johnson, Charles Fletcher	<i>Winslow,</i>	
Johnson, George Washington	<i>Bluehill,</i>	Mrs. Pennell's.
Kimball, Frank	<i>Kennebunk,</i>	27 A. H.
Lumbert, Ansel Laforest	<i>Hartland,</i>	
Page, Millard Kimball	<i>Houlton,</i>	8 W. H.
Pennell, Albert Henry	<i>Westbrook,</i>	15 A. H.
Ring, Henry Wilson	<i>Portland,</i>	8 M. H.
Tarbox, James Cushman	<i>Phillips,</i>	9 M. H.
Varney, Ellwood Francis	<i>Saco,</i>	8 M. H.

SCIENTIFIC DIVISION.

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Corey, Frank Stanwood	<i>Portland,</i>	8 A. H.
Davis, Walter Goodwin	<i>Portland,</i>	8 A. H.
Stearns, Seward Smith	<i>Lovell,</i>	12 M. H.

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CLASSICAL DIVISION.

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Dane, Walter Lee,	<i>Kennebunk,</i>	25 M. H.
Edwards, Ayres Mason	<i>Bethel,</i>	25 A. H.
Ferguson, William Proctor	<i>Shapleigh,</i>	
Giveen, Horace Robert	<i>Brunswick,</i>	Mrs. Giveen's.
Goulding, Franklin	<i>Lewiston,</i>	27 W. H.
Hall, Frederic Winslow	<i>North Gorham,</i>	13 A. H.
Harding, Albra Hamlin	<i>Hampden,</i>	30 M. H.
Hastings, Edward Ellis	<i>Fryeburg,</i>	Alpha Delta Phi Rooms.
Hathaway, Horace Burleigh	<i>Hallowell,</i>	25 M. H.
Holmes, Albert Harmon	<i>Bridgton,</i>	Mrs. Holmes.'
Jones, Thomas Fred	<i>Brunswick,</i>	Mr. Jones's.

Libby, Jesse Felt	<i>Locke's Mills,</i>	26 M. H.
Martin, William Pierce	<i>Medford, Mass.,</i>	A. D. Phi Rooms.
Payson, George Shipman	<i>Portland,</i>	6 A. H.
Perkins, Walter Payson	<i>Kennebunk,</i>	31 A. H.
Purington, Frank Orrin	<i>North Anson,</i>	13 M. H.
Riley, Thomas Harrison	<i>Boston, Mass.,</i>	A. D. Phi Rooms.
Sawyer, Carleton	<i>Cumberland,</i>	31 W. H.
Swett, Richard Lewis	<i>Brunswick,</i>	Mrs. Swett's.
Weil, George Leverett	<i>No. Andover, Mass.,</i>	22 W. H.
Whitmore, Warren Stephen	<i>Gardiner,</i>	Mr. Whitmore's.
Wilson, Henry Brown	<i>Portland,</i>	5 M. H.
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SCIENTIFIC DIVISION.

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Call, William Timothy	<i>Portland,</i>	5 M. H.
Chapman, William Higgins	<i>Bowdoinham,</i>	15 A. H.
Conant, Fred Octell	<i>Portland,</i>	A. H.
Emerson, Nathaniel Waldo	<i>Boston, Mass.,</i>	11 W. H.
Grindal, Herbert White	<i>Salem, Mass.,</i>	11 W. H.
Holmes, Alvin Dennett	<i>Bridgton,</i>	Mrs. Holmes's.
Maxey, Harry Lincoln	<i>Portland,</i>	6 M. H.

Preston, John Elmer	<i>Bath,</i>	Mrs. Preble's.
Smith, Melville Josiah	<i>Brunswick,</i>	Mr. Smith's.
Spring, Eliphalet Greely	<i>Portland,</i>	21 A. H.
Wilson, Virgil Clifton	<i>Portland,</i>	21 A. H.
Winter, Frank	<i>Bethel,</i>	

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Achorn, Edgar Oakes	<i>Newcastle,</i>	22 A. H.
Briry, Edward Everett	<i>Bath,</i>	29 W. H.
Chamberlain, Harold Wyllys	<i>Brunswick,</i>	Pres. Chamberlain's.
Chamberlin, Edward Henry	<i>Westford, Mass.,</i>	16 A. H.
Cobb, Albert Clifford	<i>Deering,</i>	Mrs. Jordan's.
Cole, William Isaac	<i>Brunswick,</i>	Mrs. Cole's.
Cony, Frederick	<i>Augusta,</i>	26 W. H.
Cutler, Charles Herrick	<i>Farmington,</i>	Misses Foote's.
Dike, John	<i>Bath,</i>	12 W. H.
Fisher, Frederic Abram	<i>Westford, Mass.,</i>	16 A. H.
French, Augustus Ford	<i>Norway,</i>	32 M. H.
Gardner, William Alexander	<i>Augusta,</i>	29 M. H.
Goddard, Henry	<i>Portland,</i>	14 A. H.
Greene, Robert Holmes	<i>Brunswick,</i>	Mr. Greene's.

Gregg, Artemas Fisher	<i>Buckfield,</i>	16 M. H.
Haggerty, Charles	<i>Webster, Mass.,</i>	28 M. H.
Harding, Carroll Everett	<i>Hallowell,</i>	26 M. H.
Hitchcock, Alfred	<i>Strong,</i>	14 M. H.
Johnson, Fred Laforest	<i>Pittsfield,</i>	10 M. H.
Johnson, Herbert Lewis	<i>Augusta,</i>	Rev. Mr. Jones.'
Joyce, Albert Laurens	<i>Brunswick,</i>	Mr. Joyce's.
Kimball, Thomas Wesley	<i>Waterville,</i>	Misses Foote's.
King, William	<i>Brunswick,</i>	Mr. King's.
Lane, Leland Burton	<i>West Sumner,</i>	32 M. H.
Larrabee, Edgar Willis	<i>Gardiner,</i>	26 M. H.
Leavitt, Byron Charles	<i>Saco,</i>	
Little, Frank Hale	<i>Portland,</i>	8 M. H.
Mason, Wallace Edward	<i>North Conway, N. H.,</i>	28 W. H.
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Wilson, John Wallace	<i>Portland,</i>	5 M. H.

SCIENTIFIC DIVISION.

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Merrill, Ferdinand Byron	<i>Yarmouth,</i>	14 M. H.
Merrill, William Richards	<i>Pownal,</i>	
Payson, Henry Storer	<i>Portland,</i>	6 A. H.
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Tolman, Jesse Ames	<i>Rockland,</i>	

UNDERGRADUATE INSTRUCTION.

CLASSICAL DEPARTMENT.

TERMS OF ADMISSION.

Candidates for admission into the Freshman Class are examined as follows : —

Latin Grammar, including Prosody ; Writing Latin ; (XXXV. lessons in Allen's Latin Composition are recommended as indicating the amount required;) Virgil, the Bucolics, Georgics, and six books of the Æneid; Cicero, Seven Orations ; Sallust.

Hadley's Greek Grammar ; Xenophon's Anabasis, four books, and Homer's Iliad, two books ; Jones's Greek Prose Composition.

Arithmetic, especially Common and Decimal Fractions, Interest and Square Root. Loomis's Geometry, first and third books. Loomis's Algebra, to equations of the second degree. *Special importance is attached to a thorough preparation in Algebra.*

English Grammar. Ancient and Modern Geography.

Real equivalents for any of the foregoing requirements will be accepted.

They must produce certificates of their good moral character. The time for examination is the Friday after Commencement, and the first Thursday of the first term. Candidates for admission into the other classes will be examined in the books which have been studied by the class into which admission is requested. A student from another college, before he can be examined, must produce a certificate of his regular dismission.

COURSE OF STUDY.

FRESHMAN YEAR.

- FIRST TERM.**----- Latin; Livy, and Composition. Greek; Odyssey, and Composition. Mathematics; Plane Geometry (Loomis), with original demonstrations. Algebra once a week for those conditioned in Algebra at the examination for admission.
- SECOND TERM.**-- Latin; Livy and Composition. Greek; Odyssey, Herodotus and Thucydides, and Composition. Mathematics; Solid Geometry and Conic Sections (Loomis), with numerical exercises in Mensuration, introducing the use of Logarithms and the Metric System.
- THIRD TERM.**--- Latin; Horace, Odes. Greek; Herodotus and Thucydides. Ancient History; Rawlinson. Mathematics; Trigonometry, and Algebra.

SOPHOMORE YEAR.

(At the beginning of each term students elect two of the three studies, Latin, Greek, and Mathematics.)

- FIRST TERM.**---- Latin; Horace, Satires and Epistles. Greek; Demosthenes, De Corona. Mathematics; Analytical Geometry. Rhetoric; Whately. French; Bôcher's Otto's Grammar.
- SECOND TERM.**-- Latin; Cicero, Tusculan Disp. Bk. I., and Terence or Plautus. Greek; Æschylus, Prometheus. Mathematics; Differential Calculus. French; Scribe et Legouvê, La Bataille de Dames.
- THIRD TERM.**--- Latin; Tacitus and Juvenal. Greek; Plato, Apology, or Phædo. Mathematics; Integral Calculus. French; Molière, Le Misanthrope.

JUNIOR YEAR.

- FIRST TERM.**----- German; Comfort's German Course. Logic; Jevons. Physics; Lectures and Recitations.
- SECOND TERM.**-- German; Fouqué, Undine. Lectures on Philology. Analytical Chemistry. Astronomy.
- THIRD TERM.**--- German; Schiller, Wilhelm Tell. Lectures on Philology. Mineralogy and Crystallography. Botany.

SENIOR YEAR.

- FIRST TERM.**---- Political Economy; Thompson's Social Science and National Economy. Geology; Dana's. Evidences of Christianity; Paley. Constitutional Law; Andrews.
- SECOND TERM.**-- Mental Philosophy; Hopkins' Study of Man. Evidences of Christianity; Butler's Analogy. Chemistry; Lectures and Laboratory work. International Law; Woolsey's.
- THIRD TERM.**--- Moral Philosophy; Gregory's Ethics. Chemistry; Lectures and Recitations. Political Philosophy.

Exercises in Composition and Oratory throughout the course.

SCIENTIFIC DEPARTMENT.

TERMS OF ADMISSION.

Applicants for admission should produce testimonials of good moral character. They will be examined in the following subjects:—

MATHEMATICS. — Arithmetic, especially Common and Decimal Fractions, Interest, and Square Root; Loomis's Geometry, Books I. and III.; Loomis's Algebra, to Equations of the Second Degree.

GEOGRAPHY. — Descriptive Geography. Physical Geography, Guyot's or an equivalent.

LATIN. — The Latin required for admission in this Department is the same as that required for admission to the Classical Course.

ENGLISH. — English Grammar. In addition to the principles of English Grammar, the examination will include *Writing* a few sentences in English, on some familiar subject, reference being had to spelling and punctuation as well as to composition, and *Correction* of ungrammatical sentences composed for the purpose.

The time for admission is the Friday after Commencement, and the first Thursday of the first term. In exceptional cases applicants may be examined at other times.

Students in Engineering (not candidates for a Degree) will be received at any stage for which they are found fitted, upon examination in the appropriate studies of that course.

COURSE OF STUDY.

FRESHMAN YEAR.

FIRST TERM — Seeley's English Lessons. French; Bôcher's Otto's Grammar, or Guizot, Hist. de la civilisation en Europe. Algebra. Geometry; as in Classical Course.

SECOND TERM—French; Scribe et Legouv  , La Bataille de Dames. Algebra. Geometry; as in Classical Course. Elements of Drawing for Engineering Students.

THIRD TERM—French; Moli  re, Le Misanthrope. Plane and Spherical Trigonometry. Surveying, with field practice. Ancient History. Drawing for Engineering Students.

SOPHOMORE YEAR.

FIRST TERM — Analytical Geometry. General Chemistry; Laboratory work. Rhetoric. Advanced French; Bard et Robiquet, Droit constitutionnel compar  .

SECOND TERM—Differential Calculus. Chemistry. Logic.

THIRD TERM—Integral Calculus. Chemistry and Mineralogy. Botany. Drawing for Engineering Students throughout the year.

JUNIOR YEAR.

FIRST TERM — Physics, Lectures and Recitations. Physiology and Hygiene. German; Comfort's German Course.

SECOND TERM—Physics, Lectures and Recitations. Zo  logy. Spectroscopy and Photography. German; Fouqu  , Undine.

THIRD TERM—Zo  logy. Astronomy. German; Schiller, Wilhelm Tell.

SENIOR YEAR.

FIRST TERM — Geology, Dana's Manual. Political Economy, Thompson's Social Science and National Economy. Constitutional Law; Andrews. Evidences of Christianity; Paley.

SECOND TERM—Geology; Dana's Manual. Mental Philosophy; Hopkins' Outline Study of Man. Chemistry; Lectures and Recitations. International Law; Woolsey.

THIRD TERM—Moral Philosophy; Gregory's Ethics. Chemistry; Lectures and Recitations. Political Philosophy.

Exercises in Composition and Oratory throughout the course.

ENGINEERING.

Students in this department may take a course in Civil or in Mechanical Engineering. The admission is the same as to the Scientific department, except that a full equivalent in French will be taken, if desired, in the place of Latin. Candidates are earnestly advised, however, to fit themselves in all the Latin required for the regular course. The studies of the first and second years are those already given in the Scientific Course, except that Drawing is commenced in the Freshman year, and an extended course of Field-work is taken during the Sophomore year. Those who complete satisfactorily the four years' course in Engineering will receive the Degree of Sc.B. Students not candidates for a Degree will be received at any stage for which an examination shall show them to be fitted, and may remain for any desired time. A circular will be sent to any person desiring further information in regard to the Engineering department, containing the course of study, the cost of tuition, and specimens of the examination papers for admission.

JUNIOR YEAR.

FIRST TERM — Physics. Descriptive Geometry. Field-work, with the Transit and Level. Plotting of Plans and Profiles. Topographical and Mechanical Drawing. English Composition and German.

SECOND TERM—Physical Laboratory. Shades, Shadows and Perspective. Architectural, Topographical and Mechanical Drawing. English Composition and German.

THIRD TERM—Field-work, with the Transit and Level. Barometrical measurement of heights. Principles of Mechanism. Engineering and Mechanical Drawing. English Composition and German.

SENIOR YEAR.

FIRST TERM — Survey and Location of Roads and Railroads, Earth-work, Rock-work, Tunnelling, Foundations, and Masonry. Estimates for work. Chemistry and Metallurgy of Iron and Steel. Elements of Machinery and application of Drawing to Engineering structures, and to Mechanism. Political Economy.

SECOND TERM—Nature and strength of wood, iron and steel. Carpentry and Building. Wooden and iron bridges. Railway Superstructure and Equipment. Metal working and study of Machine Tools. General Theory and Details of the various forms of the Steam Engine, and practice in the designing of Engineering works.

THIRD TERM—River and Harbor improvements. Dams, Locks and Canals. Drainage and Sewerage. Water supply for cities. Measurement of the flow and discharge of water, with modes of estimating its power. Water wheels. Turbines and water-pressure engines. Mills and Mill work. History of Civil and of Mechanical Engineering, and History of Architecture.

POST-GRADUATE INSTRUCTION.

Facilities will be afforded to students who desire to pursue their studies after graduation either with or without a view to a Degree, and to others who wish to pursue special studies, either by themselves, or in connexion with the regular classes, without becoming matriculated members of College.

CABINETS.

The Cabinets, available for purposes of illustration, in the Department of Natural Science, are the following:—

The Museum of the First Geological Survey of Maine.

The Cleaveland and Haij Collections of Minerals.

The Mineralogical and Geological Collections of the late Mrs. FREDERIC ALLEN of Gardiner, Maine.

The Shattuck Conchological Collection.

The Cushman Ornithological Collection.

The Blake Herbarium.

The Anatomical Museum.

Under certain regulations, the Cabinets are accessible to all students of the College.

By the munificence of the Hon. PELEG W. CHANDLER, of Boston, the upper portion of Massachusetts Hall has recently been converted into a large and beautiful room for a Cabinet of Natural History, in memory of the late Professor PARKER CLEAVELAND.

The various collections illustrating Natural History belonging to the College will be arranged here, and ample opportunity afforded for advanced study in this department of science.

Contributions to these Cabinets will be gratefully received and acknowledged.

THE GALLERY OF PAINTINGS.

By the Will of the Hon. JAMES BOWDOIN, the College in 1811 came into possession of his entire collection of paintings, about one hundred in number, procured by him with great care and expense in Europe, and considered at that time the finest collection in this country. Valuable paintings presented by other donors, including the entire collection of the late Col. GEORGE W. BOYD, have since been added. By the favor of its friends the College is still receiving Portraits and Busts of eminent persons, and various works of art, which greatly enhance the value and attractiveness of its collections. The Gallery will be open at Library hours, and admission may be gained at other times for purposes of study by application to the President or Curator.

LIBRARIES.

The number of volumes in the College Library is.....	17,500
Medical Library.....	4,000
Peucinian.....	7,150
Athenæan.....	5,950
<hr/>	
Total.....	34,600

The College Library is open for consultation daily, except Sundays.

The rooms, library, and interesting collections of the Maine Historical Society are immediately contiguous to the College Library, and, under regulation, are accessible to all persons who desire to visit them.

MILITARY SCIENCE.

Provision has been made, under the laws of the United States, and through the favor of the State Government, for instruction in Military Science. An officer of the Army is on duty here, and instruction is given to those who desire it in the three arms of the Service, and in the minor operations of war, with an outline of general Military Science. It is not proposed to invade in any degree the regular College course by these studies, but to profit, as far as practicable, by the provision of the Government under which this instruction is afforded as a branch of the public service.

The physical exercises of this department have long been regarded as peculiarly adapted to bring out manly strength and dignity, and to promote habits of obedience and self command, and a spirit of courtesy and honor.

THE GYMNASIUM.

In order to secure proper attention to Physical Culture, a Gymnasium has been put in successful operation. It is provided with the most approved apparatus, and is open every day except Sunday. The exercises constitute a systematic course based upon physiological and hygienic principles, and are under the immediate supervision of the Director, who will strictly prohibit any violent or injurious practice. The salutary effects of this exercise will be perceived not only in the general tone of health and strength among the students, but in the correction of physical defects and weakness, and even of incipient disease in individual cases.

Each student, not for sufficient reasons excused by the Faculty, will be required to elect between the Gymnastic and the Military Exercises.

PECUNIARY AID.

Meritorious students with slender pecuniary means may receive considerable assistance from the College. It should be understood, however, that good capacity, character and conduct, are indispensable conditions on which aid is given.

SCHOLARSHIPS.

BROWN MEMORIAL SCHOLARSHIPS.

A fund has been given for the support of four scholarships in Bowdoin College, by Hon. J. B. BROWN, of Portland, in memory of his son, the late JAMES OLCOTT BROWN, A.M., of the Class of 1856.

According to the provisions of this foundation, there will be paid the sum of *Fifty Dollars* annually to the best scholar in each undergraduate class who shall have graduated at the High School in Portland, after having been a member thereof not less than one year.

ALFRED JOHNSON SCHOLARSHIPS.

These Scholarships, three in number, of \$1000 each, were founded by the late Hon. ALFRED W. JOHNSON, of Belfast, in memory of his grandfather, Rev. ALFRED JOHNSON, one of the founders and earliest Trustees of the College, and of his father, Hon. ALFRED JOHNSON, one of the earliest graduates and Trustees.

SHEPLEY SCHOLARSHIP.

This is a fund of \$1000, given by the Hon. ETHER SHEPLEY, LL.D., of Portland, late Chief Justice of the Supreme Court of Maine. The income of this is to be appropriated for the aid of students who are studying to enter the ministry of the Trinitarian Congregational or Presbyterian Church.

WILLIAM SEWALL SCHOLARSHIP.

A Scholarship of \$1000, founded by Mrs. MARIA M. SEWALL, in memory of her husband, WILLIAM B. SEWALL, Esq.

MARY CLEAVES SCHOLARSHIPS.

Three Scholarships of \$1000 each, founded by the Will of the late Miss MARY CLEAVES.

MARY L. SAVAGE MEMORIAL SCHOLARSHIP.

This is a Scholarship of \$1000, founded by Rev. WILLIAM T. SAVAGE, D.D., of Franklin, N. H., in memory of his wife, MARY L. SAVAGE, for the benefit of students having in view the Christian ministry of the Evangelical Church.

JOHN C. DODGE SCHOLARSHIP.

A fund of \$1000, given by Hon. JOHN C. DODGE, of Boston, in aid of needy students in the Classical Department. The recipients to rank above two-thirds of their classmates, and to be selected by the donor.

CRAM MEMORIAL SCHOLARSHIP.

This is a Scholarship of \$1000, founded by Hon. MARSHALL CRAM, of Brunswick, in memory of his son, NELSON PERLEY CRAM, of the Class of 1861, who lost his life in the service of his country.

JAMES MEANS SCHOLARSHIP.

A Scholarship of \$1500, founded by WILLIAM G. MEANS, Esq., of Andover, Mass., in memory of his brother, Rev. JAMES MEANS, class of 1843, who died in Newbern, North Carolina, in the service of the United States.

STEPHEN SEWALL SCHOLARSHIP.

This is a fund of \$1000 given by Deacon STEPHEN SEWALL of Winthrop, the income of which is to be appropriated to aid students preparing to enter the ministry of the Evangelical Congregational Church. No student shall ever have the benefit of this fund who is not entirely free from the common use of tobacco or intoxicating liquors.

CHARLES DUMMER SCHOLARSHIP.

A Scholarship of \$1000, given by Mrs. ALMIRA C. DUMMER, in memory of her husband who was for many years a member of the Board of Overseers.

W. W. THOMAS SCHOLARSHIP.

A Scholarship of \$1000, founded by Hon. W. W. THOMAS, of Portland.

THE BUXTON SCHOLARSHIPS.

A fund at present amounting to \$1500, contributed by Citizens and Natives of Buxton, Maine, through CYRUS WOODMAN, Esq., of Cambridge, Mass., in aid of deserving students, preference being given to natives and residents of Buxton.

BENJAMIN DELANO SCHOLARSHIP.

A Scholarship of \$1000, bequeathed by the late Capt. BENJAMIN DELANO, of Bath.

AND EMERSON SCHOLARSHIPS.

A fund amounting at present to \$5215, given by the Will of the late AND EMERSON, Esq., of Boston, through Rev. Dr. E. B. WEBB, the income to go to students studying to enter the ministry of the Orthodox Congregational Church.

SMYTH SCHOLARSHIP.

A fund of \$5000, the gift of HENRY J. FURBER, Esq., of New York, named by him in honor of the late Professor WILLIAM SMYTH. The income at six per cent. is given to that student in each Sophomore Class who obtains the highest rank in the mathematical studies of the Classical course. To determine the rank, a special examination is held in April, the result of which is combined with the rank of the five preceding terms. The successful candidate receives \$100 at the time the award is made. The remaining \$200 is paid to him in instalments at the close of each term during Junior and Senior years. If a vacancy occurs during those years, the next in rank secures the benefit of the scholarship for the remainder of the time.

In connection with this gift, Mr. Furber has also made provision for a Library Fund, the income of which is to be spent in the purchase of books for the College Library, preference being given to mathematical works.

BENEFICIARY FUNDS.

LAWRENCE FUND.

This is a fund of \$6000, given by Mrs. AMOS LAWRENCE, of Massachusetts. The income is to be annually appropriated for the payment of the whole or a part of the tuition of meritorious students in Bowdoin College who may need pecuniary assistance, preference being given to those who shall enter the College from Lawrence Academy, at Groton, Mass.

THE LORD FUND.

This is a fund of \$2000, given by DANIEL W. LORD, Esq., of Kennebunkport, the income to be appropriated to pay the tuition of meritorious students who in the opinion of the Faculty stand in need of aid. "The aid of this fund shall not be given to students who use intoxicating liquors, or intoxicating and injurious drugs of any kind, such as opium and tobacco, unless prescribed by a physician as a medicine."

THE AMERICAN EDUCATION SOCIETY.

Young men in need of aid, who are studying for the ministry of the Congregational Church, may be assisted by this Society to the amount of \$100 a year.

PRIZES.

The sum of *Thirty Dollars* is annually given to members of the Senior Class as a premium for excellence in English Composition.

Prizes amounting to *Thirty Dollars* are in like manner assigned to members of the Junior Class for excellence in Oratory at their annual Prize Declamation.

A Prize of *Ten Dollars* — called the Sewall Premium — is awarded also to members of the Sophomore Class for excellence in Declamation.

Two Prizes, one of *Thirty* and one of *Twenty Dollars*, are offered to the Senior Class by PHILIP HENRY BROWN, Esq., of Portland, for excellence in extemporaneous English Composition.

A Prize of *Sixty Dollars*, established by a donation of \$1150 from the Class of 1868, will be awarded annually to the author of the best written and spoken Oration in the Senior Class.

A Prize of *Twenty-five Dollars* is offered to the member of the Sophomore Class who sustains the best examination in Greek, and an equal Prize to the one who sustains the best examination in Latin, at the Annual Examination.

A Prize of *Three Hundred Dollars* is awarded during Sophomore year to the best mathematical scholar in the Classical course. (See Smyth Scholarship.)

PUBLIC EXHIBITIONS DURING THE YEAR.

Two Public Exhibitions of the Senior and Junior Classes, the appointments to which are made with reference to scholarship.

Prize Declamation by members of the Junior Class.

Prize Declamation by members of the Sophomore Class.

Public competition for 1868 Prize by members of the Senior Class.

ANNUAL EXPENSES.

Tuition, \$75. Room rent, (half) average, \$20. Incidentals, \$10. Total regular College charges, \$105. Those who use the Laboratory of Analytical Chemistry are charged additionally at the rate of \$5 a term.

Board is obtained in town at \$2.75 to \$4.00 a week. Other necessary expenses will probably amount to \$40 a year. Students can, however, by forming clubs under good management, very materially lessen the cost of living.

Term bills are due at the end of each term, and if not paid within fifteen days after the beginning of the next term, interest will be charged, and students so indebted will not be allowed to attend recitations until their dues are paid. No student will be admitted to a higher class until all his bills due to the College shall be paid, unless for special and extraordinary reasons permitted so to do by the President and Trustees.

TERMS AND VACATIONS.

Commencement on the second Thursday of July.

Vacation, eleven weeks.

The First Term begins Thursday, eleven weeks from Commencement, and closes on the Wednesday preceding Christmas.

Vacation, two weeks.

The Second Term begins on Thursday, two weeks from the close of the first term, and continues thirteen weeks.

Vacation, one week.

The Third Term begins Thursday, one week from the close of the second term, and continues till Commencement.

At the beginning of each term the first College exercise will be morning prayers on Thursday. At the beginning of the first term, one day will be allowed for arranging rooms.

ABSENCE FROM COLLEGE.

It is of the utmost importance that students be present at College during every day of term time, and only an absolute necessity should warrant absence. Excuses for absence will be accepted only for imperative reasons, of the sufficiency of which the Faculty will judge.

When pecuniary necessity makes it unavoidable, students may, upon seasonable petition, and by vote of the Faculty, have leave of absence during a portion of term time when actually engaged in teaching, or in literary or scientific pursuits.

ACKNOWLEDGMENTS.

The following important donations to the Library have recently been received.

From the Departments and Bureaus, &c., Washington, D. C., and the Smithsonian Institution, 67 vols.

From Harvard College Observatory, *Annals of*; 2 vols., 4°.

From Royal Observatory, Greenwich, and Cape of Good Hope, *Astronomical &c. Observations*; 4°, 2 vols.

Chemical and Physical Researches by Thos. Graham, D.C.L.; ed. 1876.

From Portugal, documents relating to the International Exhibition, Phil., 1876, &c.

From Rev. Henry T. Cheever, 14 vols.

From I. W. Simmonds, Superintendent of Public Instruction, N. H.. *Annual Report*, 1876.

From Jos. Williamson, Esq., *History of Belfast*.

From Prof. Hitchcock, *Geology of New Hampshire*. vol II.; 4°.

From G. P. Putnam & Sons, N. Y., *Manual of Inorganic Chemistry* by T. E. Thorpe, PH.D.

From Prof. G. L. Vose, *Proceedings of American Association of Science*, 25th meeting.

From Lord Lindsay, London, Dun. Ecpt. Observatory Publications, vol. I.

From Hon. Elijah Ward, Esq., N. Y., *Speeches on Commercial and Financial Subjects*.

From Society Northern Antiquities, Christiana; 4 vols.

From President Chamberlain, Maine, *Her Place in History*.

From Rev. Wm. P. Tucker, *Cleveland's Mineralogy and Geology*; 8°, 1816.

From James S. Pike, Esq., *Annals of Calais, Me., and St. Stephens, N. B.*

From George L. Harrison, Esq., Philadelphia, *Social Science in Relation to State Charities*; 8°, 1877.

And 100 pamphlets.

MEDICAL FACULTY.

JOSHUA L. CHAMBERLAIN, LL.D..... *President.*
JOHN T. GILMAN, M.D..... *From the Board of Trustees.*
WILLIAM H. TODD, M.D. *From the Board of Overseers.*
ALFRED MITCHELL, M.D..... *Secretary.*
ALONZO B. PALMER, M.D..... *Pathology and Practice.*
WILLIAM W. GREENE, M.D..... *Surgery and Clinical Surgery.*
ALFRED MITCHELL, M.D..... *Obstetrics and Diseases of Women
and Children.*
CHARLES W. GODDARD, A.B..... *Medical Jurisprudence.*
FREDERIC H. GERRISH, M.D..... *Materia Medica, Therapeutics,
and Public Health.*
HENRY CARMICHAEL, PH.D..... *Chemistry.*
BURT G. WILDER, M.D..... *Physiology.*
STEPHEN H. WEEKS, M.D..... *Anatomy.*
DANIEL F. ELLIS, M.D. *Registrar and Librarian.*
CHARLES W. BRAY, M.D..... *Demonstrator of Anatomy.*

DANIEL E. MARSTON, M.D., }
CHARLES A. PACKARD, M.D., } *Visitors from Maine Medical Association.*

MEDICAL STUDENTS.

FEB. — JUNE, 1877.

NAMES.	RESIDENCES.	PRECEPTORS.
Eben Alden,	<i>Union,</i>	E. Alden.
William Alden, A.B.,	<i>Portland,</i> W. W. Greene & P. S. M. I.	
Franklin Haley Allen,	<i>Springvale,</i>	I. Brooks.
Almon Ethan Andrews,	<i>Biddeford,</i> H. E. Hill & P. S. M. I.	
Charles Freeman Atwood,	<i>Winterport,</i> A. W. Swett & I. Brooks.	
Homer Fremont Benson,	<i>Newport,</i>	J. Benson.
James Blaisdell,	<i>Denmark,</i>	H. H. Cole.
James Laurin Budge,	<i>Lee,</i>	P. C. Jones.
Samuel Crosby Bridgham,	<i>West Minot,</i>	A. Mitchell.
Charles Wesley Brown,	<i>Livermore Falls,</i>	F. Garcelon.
Albert Henry Burroughs,	<i>Portland,</i> F. H. Gerrish & P. S. M. I.	
Albert Currier Buswell,	<i>Weare, N. H.,</i>	A. R. Dearborn.
George Hoyt Calley,	<i>Bristol, N. H.,</i>	H. B. Fowler.

Jefferson Cary,	Houlton,	H. M. Keyser & J. Donnels.
William Cammett, jr.,	Portland,	S. C. Gordon & P. S. M. I.
Charles Henry Cates,	Bangor,	M. Preble.
Frederick Chandler,	Fryeburg,	I. Chandler.
Edwin Ruthvinne Chadbourne,	North Bridgton,	T. F. Perley & P. S. M. I.
Benjamin Taylor Church,	Boston, Mass.,	J. A. McDonough.
William Pitt Cleaveland,	Anson,	C. D. Morrill.
Ephraim Pierce Cole,	South Eliot,	C. H. Guptill.
Lebbeus Curtis, jr.,	Searsport,	E. Hopkins.
Charles Alonzo Dorr,	Sandwich Centre, N. H.,	A. Mitchell.
Augustus Palmer Dudley,	Portland,	Files, Gordon & P. S. M. I.
Dana Willis Fellows,	Lincoln,	W. B. Bullard.
Louis Caleb Ford,	Atkinson,	E. P. Snow.
William Herbert Gerrish.	Portland,	P. S. M. I.
Isaac Getchell, jr.,	Presque Isle,	E. G. Decker.
Oriville Clark Gordon, A.B.,	Chesterville,	P. Dyer.
Lucian Hayden Guptill,	South Eliot,	C. H. Guptill.
George Leander Gurney,	East Corinth,	J. Huckins.
Melvin Alphonzo Harmon,	Freedom, N. H.,	P. S. M. I.
George Herbert Hawley,	Bath,	A. J. & E. M. Fuller.
Joseph Webster Heath,	Ashland, N. H.,	Chase & Whipple.
Edgar Dwight Hill,	Biddeford,	H. E. Hill & P. S. M. I.

John Fremont Hill,	<i>Eliot,</i>	C. H. Guptill & C. Leighton.
Eugene Holden,	<i>Oxford,</i>	A. L. Hersey.
Ebenezer Humphrey,	<i>Jay,</i>	J. R. Eaton.
Charles Henry Hunter, A.B.,	<i>Pittsfield,</i>	J. C. Manson.
Fred Augustus Jordan,	<i>New Portland,</i>	S. A. Bennett.
Isaac Chase Irish,	<i>Turner,</i>	H. L. Irish.
Frank Luvill Judkins,	<i>Freedom, N. H.,</i>	P. S. M. I.
David Ashby Kincaid,	<i>Cape Elizabeth Ferry,</i>	E. E. Holt.
Frank Joseph King,	<i>Providence, R. I.,</i>	W. H. & D. O. King.
Alfred Greeley Ladd, A.B.,	<i>Portland,</i>	I. A. Watson & P. S. M. I.
George Melville Lee,	<i>South Berwick,</i>	C. P. Gerrish.
William Baltimore Lovett,	<i>Oakland, Cal.,</i>	G. E. Brickett.
Daniel Ozro Smith Lowell, A.B.,	<i>Denmark,</i>	J. H. Kimball.
Nathaniel Mason Marshall,	<i>East Hebron,</i>	A. Q. Marshall.
George Emerald McCurdy,	<i>Union,</i>	W. A. Albee.
Seth Bradford Morse,	<i>Buckfield,</i>	D. F. Ellis.
Charles Thompson Moulton,	<i>Canton,</i>	J. G. Pierce.
George Franklin Munsey,	<i>Gilmanton, N. H.,</i>	J. Wheeler.
Gustavus Judson Nelson,	<i>China,</i>	Crosby, Wilson & Merrill.
Will Wallace Nutting,	<i>Bath,</i>	R. D. Bibber.
Samuel Wilson Otis,	<i>Newburg,</i>	P. M. Whitten, F. O. J. & S. Hill.
James Henry O'Toole,	<i>Lowell, Mass.,</i>	W. M. Hoar.

Frank Henry Packard,	<i>Paris,</i>	O. K. Yates.
Amos Weston Plummer,	<i>Winterport,</i>	H. C. Baxter.
Alvah Augustus Plummer,	<i>Topsham,</i>	A. Mitchell.
Frank Mason Putnam,	<i>Winthrop,</i>	A. P. Snow & P. S. M. I.
Levi Emmons Quimby,	<i>Phillips,</i>	F. A. Kimball.
William Gilman Reed, A.B.,	<i>Woolwich,</i>	C. A. Packard.
Frank Whitman Ring, A.M.,	<i>Portland,</i>	C. A. Ring.
William Henry Gulliver Rowe, sc. B.,	<i>Auburn,</i>	Dr. Tewksbury.
Alfred Dow Sawyer,	<i>Lisbon,</i>	C. H. Foster.
William Langdon Simpson,	<i>Saco,</i>	J. L. Allen.
Frederic Joseph Small,	<i>Bath,</i>	A. J. & E. M. Fuller.
Henry Audubon Small,	<i>Portland,</i>	P. S. M. I.
Granville Ira Smart,	<i>North Fryeburg,</i>	J. P. Sweat.
Charles Dennis Sprague,	<i>Milo,</i>	S. B. Sprague.
Robert Given Stanwood, A.B.,	<i>Brunswick,</i>	C. A. White & A. Mitchell.
Isaac Warren Starbird, A.M.,	<i>Portland,</i>	H. N. Small & P. S. M. I.
Silas Appleton Stephens,	<i>Bath,</i>	A. J. & E. M. Fuller.
William Stephenson,	<i>Portland,</i>	P. S. M. I.
Oscar Whitney Stone,	<i>Exeter,</i>	F. N. Wheeler.
O'Neil Watson Robinson Straw,	<i>Newfield,</i>	N. Wight.
John Aiken Sweat, A.B.,	<i>Minneapolis, Minn.,</i>	I. P. Sweat.

Edward Swasey,	<i>Limerick,</i>	W. Swasey.
George Loring Tobey,	<i>Kingfield,</i>	F. H. Russell.
Alonzo Gardiner Trafton,	<i>Alfred,</i>	F. B. Merrill.
John Adam Twaddle,	<i>Weld,</i>	C. W. Taggart.
Joseph Bellis Twaddle,	<i>Weld,</i>	C. W. Taggart.
Joseph Armour Wade, A.B.,	<i>St. Andrews, N. B.,</i>	W. T. Black.
William Purkis Watson,	<i>Gorham,</i>	A. P. Topliff.
George Franklin Webber,	<i>Litchfield,</i>	C. Kindrick.
Albion Stinson Whitmore, A.B.,	<i>Brunswick,</i>	S. Whitmore & P. S. M. I.
George Henry Weston,	<i>Augusta,</i>	Brickett & Bolan.
Charles Edward Williams,	<i>Auburn,</i>	E. H. Hill.
John Lemuel Murray Willis,	<i>Eliot,</i>	C. H. Guptill.
Ellery May Wing,	<i>North Livermore,</i>	Ladd & Alden.
Henry David Worth,	<i>East Corinth,</i>	J. Huckins.

MEDICAL SCHOOL OF MAINE.

THE MEDICAL SCHOOL OF MAINE, by an Act of the Legislature, is placed under the superintendence and direction of the Board of Trustees and Overseers of Bowdoin College. By their joint authority all the degrees of M.D. are conferred.

The 58th Course of Lectures will commence FEBRUARY 14th, 1878, and continue sixteen weeks. The Introductory Lecture will be delivered at 3 o'clock P. M., by Prof. Stephen H. Weeks.

Students on arriving should call at once on the Registrar of the College, Dr. Ellis, to enter their names, present their certificates, and purchase their tickets. They may also obtain from him all necessary information in regard to boarding-houses.

Price of Board from \$3.00 to \$5.00 per week.

TERMS OF ADMISSION.

Candidates for Matriculation will be required to give evidence that they possess a good English education. Examinations will be held on THURSDAY, FEBRUARY 14th, at 9 o'clock A. M.

The Fees for admission to the several Courses of Lectures, payable in advance, and by cash only, are \$75. Matriculation, or Library Fee, payable each term, \$5.

Pupils who have attended two full courses of Medical Lectures, one of which has been in this School, are admitted to all subsequent courses without payment of any Lecture Fees.

Students who have attended two full courses at other regular Medical Institutions, are required to pay \$25 for admission to their first course of Lectures at this School, in addition to the Matriculation Fee.

The Graduation Fee, including the Diploma, is \$20.

No student will be allowed to attend any course of lectures in this School without the certificate of the Secretary. Members of the medical profession are cordially invited to attend the lectures at any time.

Graduates of other Schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation

of their diplomas and payment of the matriculation fee. Every student is expected to remain till the close of the term.

LIBRARY.

The Medical Library attached to this School is one of the best in the United States. It contains about 4500 volumes, which have been selected with much care, and is annually increasing. It embraces the works of all authors of standard authority, also an extensive and valuable collection of Plates.

Each member of the Medical Class is entitled to borrow two volumes a week from the Library. Those who are candidates for examination for the degree of M. D., during the year, are permitted to exchange their books twice a week.

ANATOMICAL CABINET.

Its valuable specimens of Mörbid and Comparative Anatomy are constantly increasing. It has recently been thoroughly re-arranged and enriched by valuable purchases abroad.

PHYSIOLOGY.

The Faculty still desire to call attention to the establishment of a separate chair of Physiology, which important department was until four years since connected with that of Anatomy, to the manifest disadvantage of both.

The Faculty also take pleasure in announcing that Prof. Gerrish will, in addition to his usual instruction, continue his course of lectures upon Public Health. This will be a gratuitous service, but one of special value and importance. It is rarely that an opportunity for specific study of this subject is afforded.

CHEMISTRY.

The Chemical Department embraces every article of apparatus essential to a complete illustration of the principles of Chemistry.

Students may also avail themselves of the facilities afforded for the study of Analytical Chemistry in the College.

CLINICS.

Clinics are held every SATURDAY MORNING during the term. Patients requiring medical or surgical advice and treatment may present themselves on Saturday mornings from 8 to 11 o'clock.

*All examinations in the presence of the Class are made without charge.
All surgical operations are gratuitously performed.*

TEXT BOOKS.

ANATOMY — Wilson and Grey; Dwight on the Head.

CHEMISTRY — Beilstein's Elements of Qualitative Analysis, Roscoe's Chemistry, Galloway's Manual of Qualitative Analysis, Fresenius Quantitative Chemistry, Hoffman's Introduction to Modern Chemistry.

PHYSIOLOGY — Flint, Marshall, Dalton.

MATERIA MEDICA AND THERAPEUTICS — Bartholow, H. C. Wood, Bid-
dle, Stille, Ringer, Headland.

PRACTICE OF MEDICINE — Roberts, Bristowe, Flint, Aitken, Niemeyer.

PATHOLOGICAL HISTOLOGY — Reindfleisch, Virchow.

DISEASES OF CHILDREN — J. L. Smith, Vogel, West, Condie.

SURGERY — Gross, Erichsen, Druit, Greene's Questions.

SURGICAL PATHOLOGY — Billroth, Paget.

MIDWIFERY — Playfair, Cazeaux, Leishman, Schroeder.

DISEASES OF WOMEN — Thomas, Barnes, Schroeder.

MEDICAL JURISPRUDENCE — Tyler, Ordronaux, Beck.

EXAMINATIONS AND GRADUATION.

Students, and particularly candidates for a Degree, are examined either daily or weekly on the subjects of the Lectures. Especial attention is directed to the fact that members of the Faculty, in each department, hold gratuitous examinations on specified evenings of each week, upon the subjects of the lectures.

The Faculty believing that it is desirable for students to pay especial attention to the primary branches during the first portion of their course of study, in order that they may be better prepared to appreciate the more advanced subjects in the latter part, have voted that any student may present himself for examination in Anatomy, Physiology and Chemistry (any or all), at the regularly appointed time for examination, provided he previously presents to the Secretary satisfactory evidence that, at the close of the current term, he shall have completed at least twelve months of actual study, and have attended a full course of lectures in this School. From the terms of the vote, this course will be recognized as a voluntary one. An official record of the result of the successful examination will be kept. The successful passage of an examination will not exempt a student from faithful attendance upon any exercises in any department during subsequent courses.

The examinations for the Degree of Doctor of Medicine are held by the Faculty of Medicine at the close of the course of Lectures, and also on the second Monday before the annual Commencement of the College, which occurs on the second Thursday in July. Degrees are conferred at Commencement.

The candidates must be twenty-one years of age, and must have devoted three years to their professional studies under the direction of a regular Practitioner of Medicine. They must have attended two full courses of Lectures in some regular, incorporated Medical Institution; and the last course, previous to examination, must have been at this School. They must deposit with the Secretary of the Faculty satisfactory certificates of good moral character, and of having pursued their Medical Studies for the required term. They must also pass a satisfactory written and oral examination in Anatomy, Physiology, Surgery, Chemistry, Materia Medica, Pharmacy, Obstetrics, Pathology and Practice. They must also read and defend a Thesis or Dissertation on some Medical subject in the presence of the Faculty of Medicine.

A fair copy of the Thesis or Dissertation must be deposited with the Secretary of the Faculty at least ten days before the commencement of the Examination at the close of the Lectures. These copies are preserved in the Medical Library.

The foregoing is a brief statement of the means of acquiring Medical knowledge which may be enjoyed at this Institution. No efforts will be spared which may tend to render these means beneficial, and to promote the instruction of pupils in Medical Science.

SUMMARY.

Post Graduates and Special Students,.....	5
Medical Students.....	92
Senior Class.....	17
Junior Class.....	25
Sophomore Class.....	38
Freshman Class.....	53
	133
Total.....	230

ABBREVIATIONS.

A. H., Appleton Hall. M. H., Maine Hall. W. H., Winthrop Hall. P. S. M. I., Portland School for Medical Instruction. L. S. M. I., Lewiston School for Medical Instruction.

APPOINTMENTS FOR COMMENCEMENT, JULY 12, 1877.

MASTERS.

<i>English Oration,</i>	-	-	-	-	-	Samuel Valentine Cole.
<i>Valedictory,</i>	-	-	-	-	-	Daniel Ozro Smith Lowell.

BACHELORS.

ORATIONS.

<i>Salutatory,</i>	-	-	George Thomas Little.
Robert Edwin Peary,			John Alfred Roberts,
James Wingate Sewall,			William Chute Greene,
John Eliphaz Chapman,			Edward Clarence Metcalf.

PHILOSOPHICAL DISQUISITIONS.

Curtis Appleton Perry,	Joseph Knight Greene,
George William Tillson,	Addison Monroe Sherman,
Frank Asa Mitchell.	

LITERARY DISQUISITIONS.

Carroll Willie Morrill,	Edgar Millard Cousins,
Edwin Albert Scribner,	Charles Edwin Cobb,
George Arthur Holbrook,	George Henry Marquis.

DISQUISITIONS.

Fremont Manning Palmer,	Edwin Judson Pratt,
William Titcomb Cobb,	Fred Henry Dillingham.

DISCUSSIONS.

Albert Somes,	Samuel Appleton Melcher,
Frank Hobart Hargraves,	William Gerrish Beale,
Henry Dwight Wiggin.	

DISSERTATIONS.

Charles Wyman Morse,	Charles Egbert Knight,
Lewis Henry Reed,	Frank Joselyn Lynde,
Frank Herbert Crocker.	

ESSAY.

Serope Armenag Gürdjian.

COMPETITORS FOR CLASS OF 1868 PRIZE.

CLASS OF 1877.

John E. Chapman,
Carroll W. Morrill,
George T. Little,

John A. Roberts,
Robert E. Peary,
James W. Sewall.

COMPETITORS FOR SMYTH SCHOLARSHIP PRIZE.

CLASS OF 1879.

James Cushman Tarbox,
Horace Eben Henderson,
Henry Baird Carleton,

Albert Henry Pennell,
Holmes Boardman Fifield,
Ellwood Francis Varney.

JUNIOR PRIZE DECLAMATION, 1877.

CLASS OF 1878.

Clarence Atwood Baker,
Alfred Edgar Burton,
Daniel Henry Felch,
Barrett Potter,
George Colby Purington,
Samuel Emerson Smith,

Hartley C. Baxter,
James Thomas Davidson,
Philip Lee Paine,
Thomas Moses Pray,
William Edward Sargent,
John Wentworth Thing.

SOPHOMORE PRIZE DECLAMATION, 1877.

CLASS OF 1879

Heber Durgin Bowker,
Frank Stanwood Corey,
Holmes Boardman Fifield,
Joel Payson Huston,
Albert Henry Pennell,
James Cushman Tarbox,

Daniel Ozro Castner,
Walter Goodwin Davis,
Horace Eben Henderson,
George Washington Payson,
Henry Wilson Ring,
Ellwood Francis Varney.

AWARDS IN 1877.

CLASS OF 1868 PRIZE.

John E. Chapman.

ENGLISH COMPOSITION.

First Prize, - - - - - George T. Little, Robert E. Peary.
Second Prize, - - - - - John E. Chapman, John A. Roberts.

JUNIOR DECLAMATION.

First Prize, Philip L. Paine. *Second Prize,* Samuel E. Smith.

SOPHOMORE DECLAMATION.

First Prize, Daniel O. Castner. *Second Prize*, Albert H. Pennell.

GREEK EXAMINATION PRIZE.

James C. Tarbox.

LATIN EXAMINATION PRIZE.

Albert H. Pennell.

SMYTH MATHEMATICAL SCHOLARSHIP.

James C. Tarbox.

BROWN MEMORIAL SCHOLARSHIPS.

Robert E. Peary, *Class of* 1877.
Alfred E. Burton, *Class of* 1878.

Frank S. Corey, *Class of* 1879.
William T. Call, *Class of* 1880.

BOWDOIN COLLEGE

SUMMER SCHOOL OF SCIENCE.

This school was established in 1876 for the purpose of giving to teachers, graduates of colleges and others, of both sexes, a practical acquaintance with science.

The second session opened on July 16th, 1877, and extended six weeks. There were three courses given, viz.:—CHEMISTRY, MINERALOGY and ZOOLOGY. That full justice might be done by the instructors, the number of students was limited to twenty-five.

The following is a summary of the aids to study and investigation which have been employed.

To the student in Chemistry are furnished all necessary facilities for preliminary analysis and aqueous analysis. Opportunities are given for general chemical manipulation, including glass-blowing. Instruction is also given in the use of the spectroscope.

Mineralogy is pursued by a study of crystallography, the drawing of crystalline forms, and chemical tests, the examination of the extensive collection of minerals belonging to the college, and by excursions to neighboring quarries, which furnish numerous and rare mineral species.

The course in Zoology consists of lectures with work in the zoological laboratory, each student dissecting a series of typical animals. The neighboring coast abounds in animal life, and frequent excursions are made to it for the study of living forms and the collection of material.

OFFICERS OF INSTRUCTION.

H. CARMICHAEL, PH.D.,.....*Mineralogy and Chemistry.*
F. C. ROBINSON, A.M.,.....*Analytical Chemistry.*
LESLIE A. LEE, A.M.,.....*Zoology.*

STUDENTS.

NOTE. The Roman numerals indicate courses, as follows:—I., Chemistry; II., Mineralogy; III., Zoology.

NAME.	COURSE.	RESIDENCE.
Mary Barstow,	I.,	<i>Brunswick.</i>
Mrs. H. Carmichael,	I.,	<i>Brunswick.</i>
Frank M. Crawford,	I., III.,	<i>Brunswick.</i>
James H. Flint, A.B., (Harvard College.)	I., II.,	<i>Marblehead, Mass.</i>
Edwin Herbert Hall, A.B.,	I., II.,	<i>Johns Hopkins University, Baltimore, Md.</i>
Jennie Kelley, A.B., (Vassar College.)	II., III.,	<i>Woburn, Mass.</i>
Senzaburo Kodzu,	I., II.,	<i>Tokei, Japan.</i>
John Clarence Lee, A.B., (St. Lawrence University.)	I., III.,	<i>Harvard College, Cam- bridge, Mass.</i>
Sarah Marble,	II.,	<i>Woonsocket, R. I.</i>
Walter H. Marrett, A.B.,	I., II.,	<i>Brunswick.</i>
Cynthia Melvin,	I.,	<i>Boston, Mass.</i>
Arthur Morrill, A.B., (Yale College.)	I.,	<i>Portland.</i>
Martha A. Pease,	II.,	<i>Bridgton.</i>
Lizzie A. S. Pennell,	I., II.,	<i>Brunswick.</i>
Annie T. Powers,	III.,	<i>Bangor.</i>
Clara M. Pullen,	I., II.,	<i>Monson.</i>
George Colby Purington,	I.,	<i>Bowdoin College, Bruns- wick.</i>
Julia A. Robinson,	I., III.,	<i>Bangor.</i>
Walter A. Robinson, A.B.,	I.,	<i>Orange, Mass,</i>

Alvah Horton Sabin, B.S., (Prof. of Chemistry and Physics, Ripon College.)	I., III.,	<i>Ripon, Wis.</i>
William J. Sanborn,	I., II.,	<i>Rockport, Mass.</i>
Edwin Albert Scribner, B.S.,	I., III.,	<i>Topsham.</i>
Parker P. Simmons, A.B.,	I., II.,	<i>Lawrence, Mass.</i>
Justin Spaulding,	III.,	<i>Chicopee, Mass.</i>
Harriet B. Stetson, A.B., (Vassar College.)	III.,	<i>Gloucester, Mass.</i>
R. P. Williams, A.B., (Dartmouth College.)	I., II.,	<i>Harvard College, Cam- bridge, Mass.</i>
Frederic Arthur Wilson, A.M.,	I., II.,	<i>Hallowell.</i>

CALENDAR.

1877.

- Sept. 28.....First Term commenced.
Dec. 17... ..Exhibition of Senior and Junior Classes.
Dec. 17-18....Examination on the studies of the term.
Dec. 19.....Close of term.

VACATION OF TWO WEEKS.

1878.

- Jan. 3.....Second Term commences.
Feb. 14.....Medical Lectures begin.
April 1.....Exhibition of Senior and Junior Classes.
April 1-2....Examination on the studies of the term.
April 3.....Close of term.

VACATION OF ONE WEEK.

- April 11.....Third Term commences.
April 18-19... Smyth Scholarship examination.
June 3.....Competition for 1868 Prize.
June 3-4-5...Examination of Senior Class.
June 5.....Medical examination.
July 1-2-3...Examination of the three lower classes.
July 9.Class Day.
July 10.....Alumni Day.
July 11.....Commencement.
July 12.....Examination for admission to College.

VACATION OF ELEVEN WEEKS.

- Sept. 26... ..Examination for admission to college.
Sept. 27..First Term begins.

